XEROX

Diablo 1660 Terminal

DISTRIBUTED BY:
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1200 Baud Transmission Speed; 200 cps Print Speed; 100% Duty Cycle Matrix Head Plus Microprocessor Performance!

Microprocessor Performance Achieves Maximum Throughput & Versatility

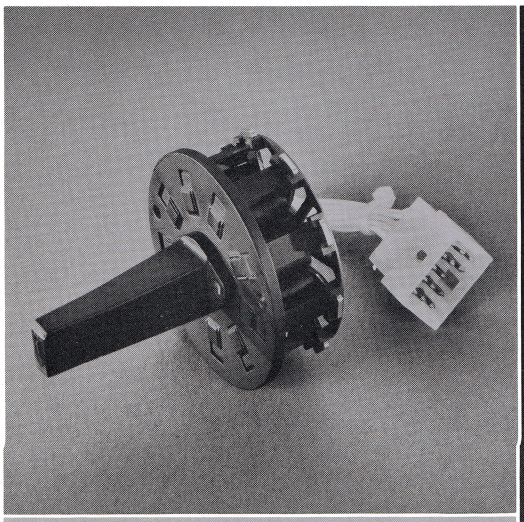
Our new Diablo model 1660 high-speed Communication Terminal is complete with all the features you need to achieve greater throughput for less money. Microprocessor control is utilized to provide important operational features: incremental printing, horizontal and vertical tabbing capability, control and escape code functions, multiple print fonts and versatile forms handling. We also provide upper and lower case high quality printing with our 7 by 9 dot matrix ballistic head.

The basic matrix mechanism characteristics are expanded by the microprocessor to allow increased versatility, reliability and speed. All terminal control functions reside in ROMs rather than hard-wired logic. Through its microprocessor, the 1660 provides normal and absolute tabbing, margin control and exclusive line and form feed control, all of which dramatically increase system productivity. A further throughput-enhancing feature from our microprocessor control is "automatic" backwards printing. In this mode, the microprocessor makes the intelligent decision to eliminate time-wasting carriage returns. That is, it looks ahead to the next line and automatically positions the print head at the beginning or ending of the new line and prints in the forward or reverse direction to achieve maximum throughput.

Communications Capabilities

Model 1660 may be interfaced to a data communications network through Bell type 103A, 113A, 202, 212 or equivalent modem. Time Division Multiplexed or Frequency Division Multiplexed equipment may be used in place of a modem, providing that the same interface characteristics as the above-mentioned modems are available.

The 1660 communicates in 300, 1200 or 1800 Baud, which translates to 30, 120 or 180 cps. Optional Baud rates up to 4800 can be specified. An internal buffer eliminates the need for "pad" or time-fill characters. Interface protocols are built into the microprocessor program which can be used to prevent data loss regardless of paper movement commands or other codes that might interrupt continuous printing. There are three standard interface protocols: DC1, DC3, (X-on, X-off); ETX/EOT Reverse Channel HDX and ETX, ACK. These protocols are switch-selectable on the standard terminal.



Operator Features

An easily-accessable control panel assures operators quick, easy selection of baud rate, parity, duplex, automatic carriage return, line control and reverse channel select, paperout defeat, and self test. Front panel indicators display error detection and terminal operating modes.

Diagnostic features are incorporated into the 1660 which assist the operator to quickly and accurately analyze apparent malfunctions and take appropriate corrective action. All major subassemblies can be quickly disconnected to assist in locating malfunctions. And, all common maintenance, trouble-shooting and component replacement are accomplished from the front of the unit.

The 1660 is designed to have the look, feel and portability of a desk-top typewriter.

A typewriter paired-array keyboard is available to suit most customer applications. An n-key rollover feature assures that all key signals are transferred to the microprocessor in the same sequence in which their corresponding keys were depressed. This prevents loss of useful keyboard data, regardless of operator speed. The standard keyboard also includes an auxiliary numeric pad. Additional features are provided by keyboard function keys: Local, Upper Case Only, Attention, Auto View, Form Feed, Auto Line Feed, Double Line Feed, Reset and Here Is Message.

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'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^
'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^

        HORIZONTAL              TAB                     TES

        COLUMN                  40                      60
                                TAB     THRU            SPA
        1234                    567
        ABCD                                            EFG
                                OPQR
        TEST

        HORIZONTAL              TAB                     TES
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Diablo Matrix Terminal Model 1660 Specifications

FEATURES	DESCRIPTION
Terminal Types:	
KSR	Keyboard Send Receive-Serial Interface
Printer:	
Type	7 x 9 Matrix Impact
Copies	Original plus 5
Speed	200 Characters Per Second Maximum
Print Modes	Incremental or Continuous–bi-directional
Horizontal Spacing	10 Characters/inch
Vertical Spacing	6 Lines/inch
Printable Character	94 Characters ASCII set
Forms Handling	Friction Feed with or without tractor
Paper Sensing	Paper Out Detector
Ribbons	Removable Cartridge-fabric ribbon
Print Line Visability	Auto-View Selectable
Keyboard:	
Symbols	All 128 Standard ASCII characters generated by keyboard
Layout	Standard ANSI 46 Key Typewriter paired 10-key Pad
Numeric Pad	10 Numerics, Tab, Comma, Period, and Minus
Repeat Keys	All Keys repeat, feature
N-Key Rollover	Keyboard Send Buffer
Control Functions	LOCAL, ATTENTION, UPPER CASE ONLY, RESET, AUTO LINE FEED, DOUBLE LINE FEED, AUTO VIEW, FORM FEED, HERE IS MESSAGE

FEATURES	DESCRIPTION
Communications:	
Code	8-Bit ASCII
Format	Asynchronous 8/10 or 8/11
Interface	RS 232C
Rate	300, 1200 or 1800 Baud
Modes	Half Duplex/Echoplex
Parity Checking	Odd, Even, None
Modem Compatibility	Bell 103, 113, 202 or 212
Protocols	ETX, ACK DC1, DC3 ETX, EOT/Rev. Channel HDX
Control/Front Panel:	
Switches	
Power	Applies Power to Terminal
Auto CR	Automatic Carriage Return at right carriage stop
Speed 30/120/180	300, 1200 or 1800 Baud transmission
Parity Odd/Even	On, Odd/Even
Duplex	Half Duplex or Full Duplex
Test	Auto Self Test on Clear or Power Up
Rev. Chl.	Reverse Channel Mode
Line Control	Selects Line Control
ETX/EOT	Selects Line Control Turn Around Character
CR ETX/EOT	Selects Line Turn Around Character on (CR)
Paper-Out Defeat	Defeats Paper Out Switch
Indicators	
Errors:	
Parity	Parity, Framing Violation
OVFL	Print Buffer Overflow
Printer	Printer Mechanism Error
Covers	Cover Open During Print
Paper	Paper Out Condition
Attention	Break Received from Modem
Ribbon	Ribbon Jammed Condition
Mode:	
REC	Received Data
XMIT	Transmit Data
PROCD	Proceed, Data Set Ready Active
POWER	HyTerm Power Present

Diablo

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